



1998 Toxics Release Inventory

RHODE ISLAND

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	1,435,319	504,148	1,939,467
Air Emissions	1,433,349	503,787	1,937,136
Surface Water Discharges	1,465	361	1,826
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	505	0	505
Off-site Releases (Transfers Off-site to Disposal) *	297,555	36,509	334,064
Total On- and Off-site Releases	1,732,874	540,657	2,273,531
Recycled On-site	8,516,176	120,974	8,637,150
Recycled Off-site	10,988,271	108,500	11,096,771
Energy Recovery On-site	206,716	0	206,716
Energy Recovery Off-site	794,872	307	795,179
Treated On-site	7,275,506	124,573	7,400,079
Treated Off-site **	499,916	769,780	1,269,696
Quantity Released On- and Off-site ***	1,681,961	540,445	2,222,406
Total Production-related Waste Managed	29,963,418	1,664,579	31,627,997
Total Non-production-related Waste Managed	3,085	0	3,085

Transfers Off-site for Further Waste Management/Disposal

Recycling	10,976,911	153,530	11,130,441
Energy Recovery	530,071	307	530,378
Treatment	324,322	725,826	1,050,148
Publicly Owned Treatment Works (POTWs)	364,300	260	364,560
Metals and Metal Compounds *	11,410	10	11,420
Non-metal TRI Chemicals **	352,890	250	353,140
Other Off-site Transfers ***	750	0	750
Off-site Transfers to Disposal (not including metals to POTWs)	304,651	36,646	341,297
Total Transfers Off-site for Further Waste Management/Disposal	12,501,005	916,569	13,417,574

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

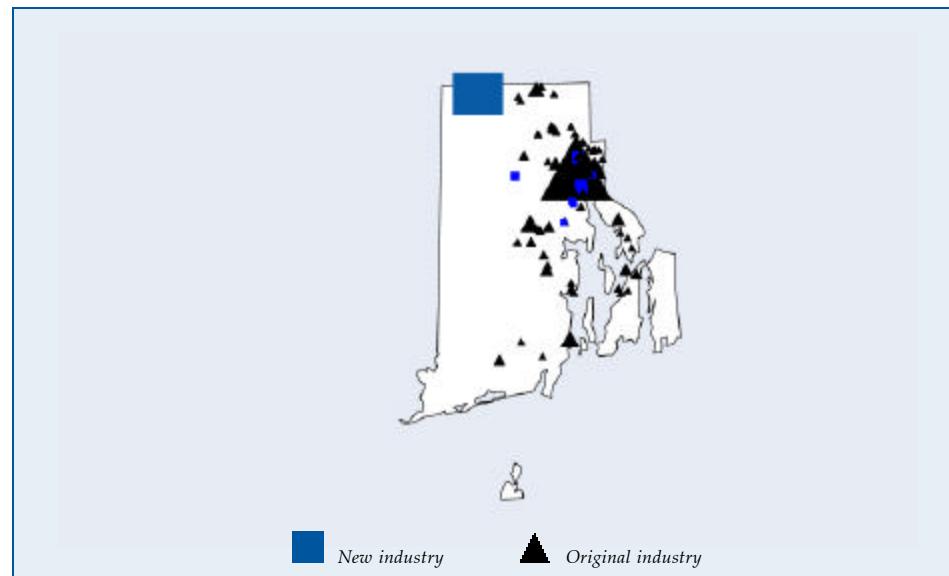
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To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Rhode Island. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	988,480
Square Miles	1,045
Total Facilities	143
Total Forms	365
Form As	71

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	49	49	50
Pounds	1,732,874	540,657	2,273,531
National Rank for Total On-site Releases**			
Rank	49	49	50
Pounds	1,435,319	504,148	1,939,467
National Rank for Total Releases within State***			
Rank	49	49	50
Pounds	1,809,518	506,720	2,316,238
National Rank for Production-related Waste Managed			
Rank	44	49	47
Pounds	29,963,418	1,664,579	31,627,997

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal * Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
108-88-3	Toluene	518,767	1	0	0	2,950	521,718	3,735	0	2,950
78-93-3	Methyl ethyl ketone	311,987	0	0	0	14,352	326,339	3,196	0	14,352
7664-41-7	Ammonia	116,219	255	0	0	0	116,474	74	0	0
100-42-5	Styrene	115,141	0	0	0	0	115,141	0	0	0
1330-20-7	Xylene (mixed isomers)	106,307	0	0	0	0	106,307	1,574	0	0
—	Zinc compounds	188	22	0	0	76,270	76,480	10,241	12,199	64,071
—	Glycol ethers	75,462	0	0	0	0	75,462	8,940	0	0
—	Lead compounds	97	44	0	500	40,532	41,173	3,500	6,987	33,545
—	Manganese compounds	88	36	0	0	40,738	40,862	38,000	32,138	8,600
67-56-1	Methanol	36,071	655	0	0	64	36,790	4,166	64	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal * Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-41-7	Ammonia	455,002	5	0	0	0	455,007	0	0	0
1634-04-4	Methyl tert-butyl ether	34,207	294	0	0	11,210	45,711	250	0	11,210
108-88-3	Toluene	3,947	15	0	0	9,712	13,674	291	0	9,712
1330-20-7	Xylene (mixed isomers)	2,054	16	0	0	6,909	8,979	250	0	6,909
110-54-3	n-Hexane	4,313	6	0	0	3,205	7,524	280	0	3,205
71-43-2	Benzene	2,319	10	0	0	1,254	3,583	5	0	1,254
100-41-4	Ethylbenzene	520	8	0	0	2,100	2,628	5	0	2,100
95-63-6	1,2,4-Trimethylbenzene	102	2	0	0	994	1,098	30	0	994
91-20-3	Naphthalene	500	5	0	0	250	755	0	0	250
—	Zinc compounds	10	0	0	0	505	515	0	5	500

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Quebecor Printing Providence Inc., Providence, Providence	420,934	25	0	0	0	0	420,959	68	312
Rexam DSI, Johnston, Providence	165,514	0	0	0	0	0	165,514	0	0
Osram Sylvania Prods. Inc., Central Falls, Providence	100,315	54	0	0	0	0	100,369	3,736	16,650
Arkwright Inc., Fiskeville, Kent	71,605	0	0	0	0	0	71,605	0	0
Facile Holdings Inc., Rumford, Providence	67,404	0	0	0	0	0	67,404	0	0
Dewal Ind. Inc., Narragansett, Washington	66,980	0	0	0	0	0	66,980	0	0
Tech. Inds. Inc., Woonsocket, Providence	57,632	0	0	0	0	0	57,632	0	0
TPI Composites Inc., Warren, Bristol	41,540	0	0	0	0	0	41,540	0	0
Stanley Fastening Sys. Inc., East Greenwich, Kent	40,203	0	0	0	0	0	40,203	0	0
BICC General Inds. Inc., Lincoln, Providence	39,460	0	0	0	0	0	39,460	5,466	160

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Ocean State Power, Harrisville, Providence	366,400	0	0	0	0	0	366,400	0	0
Pawtucket Power Associates, Pawtucket, Providence	45,597	0	0	0	0	0	45,597	0	0
USGen New England Inc., Providence, Providence	43,005	5	0	0	0	0	43,010	0	0
Motiva Providence Terminal, Providence, Providence	25,239	318	0	0	0	0	25,557	0	7,434
Mobil Oil East Providence Terminal, East Providence, Providence	18,881	30	0	0	0	0	18,911	0	27,591
Getty Terminals Corp., East Providence, Providence	3,493	3	0	0	0	0	3,496	0	371
Northeast Petroleum Providence Terminal, Providence, Providence	500	5	0	0	0	0	505	0	250
Chem-Pak Inc., Cranston, Providence	402	0	0	0	0	0	402	0	0
John R. Hess & Co. Inc., Cranston, Providence	250	0	0	0	0	0	250	0	0
21 EMI RI, Warwick, Kent	20	0	0	0	0	0	20	10	1,000

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Quebecor Printing Providence Inc., Providence, Providence	2,808,433	7,673	0	1,968	0	68	420,934	3,239,076	0
Rexam DSI, Johnston, Providence	0	0	0	6,185	973	973	165,514	173,645	0
Osram Sylvania Prods. Inc., Central Falls, Providence	441,700	19,500	0	0	773,500	173,100	104,100	1,511,900	0
Arkwright Inc., Fiskeville, Kent	0	0	0	280,500	2,360,000	1,906	71,000	2,713,406	0
Facile Holdings Inc., Rumford, Providence	0	0	0	6,513	0	0	67,404	73,917	0
Dewal Ind. Inc., Narragansett, Washington	0	0	0	2,700	0	0	67,000	69,700	0
Tech. Inds. Inc., Woonsocket, Providence	0	0	0	0	0	0	57,632	57,632	0
Stanley-Bostitch Inc., North Kingstown, Washington	0	0	0	0	49,457	66,513	57,026	172,996	0
BICC General Inds. Inc., Lincoln, Providence	2,060	1,040	0	0	0	0	44,402	47,502	0
GE Providence Base Plant, Providence, Providence	0	41,460	0	0	0	0	43,500	84,960	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Ocean State Power, Harrisville, Providence	0	0	0	0	0	0	366,400	366,400	0
Mobil Oil East Providence Terminal, East Providence, Providence	0	0	0	0	0	0	46,537	46,537	0
Pawtucket Power Associates, Pawtucket, Providence	0	0	0	0	0	0	45,597	45,597	0
USGen New England Inc., Providence, Providence	0	0	0	0	0	12	43,000	43,012	0
Motiva Providence Terminal, Providence, Providence	0	0	0	0	0	763	33,754	34,517	0
Getty Terminals Corp., East Providence, Providence	0	0	0	307	124,573	49	3,871	128,800	0
21 EMI RI, Warwick, Kent	0	108,500	0	0	0	0	444	108,944	0
Chem-Pak Inc., Cranston, Providence	120,974	0	0	0	0	768,783	402	890,159	0
John R. Hess & Co. Inc., Cranston, Providence	0	0	0	0	0	0	400	400	0
Northeast Petroleum Providence Terminal, Providence, Providence	0	0	0	0	0	173	40	213	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.